



RECEIVED

MAY 21 2001

TECH CENTER 1600/2900

Achilefu, Samuel I.
Rajagopalan, Raghavan
Dorshow, Richard B.
Bugaj, Joseph E.

Mallinckrodt Inc.

<120> Versatile Hydrophilic Dyes

<130> MRD-67

<140> US 09/757,333

<141> 2001-01-09

<150> US 09/484,321

<151> 2000-01-18

<160> 8

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<221> MOD_RES

<222> (1)...(7)

<223> Xaa at location 1 represents D-Phe.

<223> Xaa at locations 2 and 7 represents Cys with an
intramolecular disulfide bond between two Cys
amino acids.

<223> Xaa at location 4 represents D-Trp.

<400> 1

Xaa Xaa Tyr Xaa Lys Thr Xaa Thr
1 5

<210> 2

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<221> MOD_RES

<222> (1)...(8)

<223> Xaa at location 1 represents D-Phe.

<223> Xaa at locations 2 and 7 represents Cys with an
intramolecular disulfide bond between two Cys
amino acids.

<223> Xaa at location 4 represents D-Trp.

<223> Xaa at location 8 represents Thr-OH.

<400> 2

Xaa Xaa Tyr Xaa Lys Thr Xaa Xaa
1 5

<210> 3
 <211> 11
 <212> PRT
 <213> Artificial Sequence

 <220>
 <221> MOD_RES
 <222> (1)...(0)

 <400> 3
 Gly Ser Gly Gln Trp Ala Val Gly His Leu Met
 1 5 10

<210> 4
 <211> 11
 <212> PRT
 <213> Artificial Sequence

 <220>
 <221> MOD_RES
 <222> (1)...(0)

 <400> 4
 Gly Asp Gly Gln Trp Ala Val Gly His Leu Met
 1 5 10

<210> 5
 <211> 8
 <212> PRT
 <213> Artificial Sequence

 <220>
 <221> MOD_RES
 <222> (1)...(0)

 <400> 5
 Asp Tyr Met Gly Trp Met Asp Phe
 1 5

<210> 6
 <211> 8
 <212> PRT
 <213> Artificial Sequence

 <220>
 <221> MOD_RES
 <222> (1)...(6)
 <223> Xaa at locations 3 and 6 represents Norleucine.

 <400> 6
 Asp Tyr Xaa Gly Trp Xaa Asp Phe
 1 5

<210> 7
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (1)...(6)
<223> Xaa at location 1 represents D-Asp.
<223> Xaa at locations 3 and 6 represents Norleucine.

<400> 7
Xaa Tyr Xaa Gly Trp Xaa Asp Phe
1 5

<210> 8
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (1)...(1)
<223> Xaa at location 1 represents D-Lys.

<400> 8
Xaa Pro Arg Arg Pro Tyr Ile Leu
1 5